

GENERAL INDEX

- Acceleration of mean motion, 23, 24, 142
 Accretion, 62, 65, 66, 69ff, 100
 ACHMAROF, 26
 Almagest, 3
 ANAXAGORAS, 2
 Andromedids, 58
 Annual comets, 16, 131
 Aphelion, 15, 20, 21, 22, 109, 124
 Appearance of comets, 30, 31, 37, 39, 47
 Aquarids, 58, 59
 ARAGO, 33
 ARISTOTLE, 2, 59, 152
 Asteroids, 155, 157, 158
- BAADE, 51, 155
 Babylonians, 2
 BACKLUND, 24
 BALDET, 46, 52
 BARNARD, 25, 26, 30, 31, 33, 36, 44, 45, 62, 125
 BESSEL, 4, 12
 Bielids, 58, 59
 BOBROVNIKOFF, 39, 54, 56, 57, 60
 BONDI, 72, 78
 BRADLEY, 43
 Brightness of comets, 32, 38, 39, 43, 46, 51, 121
 BROOKS, 26
- Capture hypothesis, 16, 107, 154, 159
 CARDAN, 3
 CARRINGTON, 159
 CASSINI, 54
 Centre of gravity of solar system, 98
 CHALLIS, 44
 CHAMBERLIN, 155, 156
 CHAMBERS, 32, 51, 112, 118, 126, 127
 Changes of size of comets, 125, 129
 Collisions, 83, 120
 Colour of comets, 31
 Coma, 31, 33, 35, 36, 38, 41, 50, 57, 118
 transparency of, 32
 Comet groups, 18
 Comet-seeker, 24
- Comets, *see* Comet Index
 CROMMELIN, 18, 26, 56, 59, 60, 156, 157
 COWELL, 56
- DAIMACA, 26
 Daylight comets, 1, 51
 Decay of comets, 141
 DELAMBRE, 54
 DELPORTE, 26
 DEMOCRITUS, 2
 DENNING, 26
 Densities of comets, 48
 densities of tails, 50
 Designation of comets, 24
 Development of comets, 38, 42, 145, 162
 Diameters of comets, 40, 41, 51, 162
 Discovery of comets, 24
 Distribution of particles within comets, 138
 Disruption of comets, 19, 42, 45, 49, 113, 149
 Diversion of a comet, 134
 DOERFEL, 4
 DONATI, 55
 DUBIAGO, 60
 Dust, interstellar, 62
 DU TOIT, 26
- Eccentricity, 5, 6, 102, 109, 123, 125
 Eclipse comets, 24
 Ecliptic, 7, 8
 EDDINGTON, 14, 15, 21, 34, 138
 Emission spectrum, 38, 54, 55
 ENCKE, 12
 Envelopes surrounding comets, 34, 35, 38, 41, 128
 EPHORUS, 44
 ESCLANGON, 32
 EULER, 12
 Expanding shells, or envelopes, 128
- FAYET, 11
 FEDKE, 26
 FORBES, 17, 26

GENERAL INDEX

- Gaseous comets, 149
 GEULLOT, 17
 GUILLEMIN, 40, 46, 60
- HALLEY, 4, 6
 HARTWIG, 11
 HASSEL, 26
 Heads of comet, 32, 39, 50, 57
 Heat of evaporation, 82
 HERRICK, 43
 HERSCHEL, Sir John, 32, 33
 HERSCHEL, Sir W., 32
 HEVELIUS, 3, 42
 HIND, 50
 HOEK, 15, 20, 21
 HOLETSCHKE, 52, 56, 138
 HOOKE, 4
 HOYLE, 72, 78, 82, 147
 HUGGINS, 55
 HUMBOLDT, 23
- Identification of comets, 3, 37
 Inclination, 7, 8
 Instability of comets, 149
 International Astronomical Union, 26
 Interstellar dust, 62, 65, 163
- JEANS, 149; 151
 JEFFREYS, 97, 156, 163
 Jets, 38
 Jupiter's family, 17
 JURLOF, 26
- KEPLER, 3, 11, 22, 94, 103, 116, 160
 KIRKWOOD, 57
 KOZIK, 27
 KREUTZ, 19
 KULIN, 28
- LAPLACE, 47, 157
 Leonids, 59
 LEXELL, 12
 Light of comets, nature of, 53
 Light pressure, 4, 36, 50, 64, 121, 143
 Long-period comets, 17, 18, 23, 108,
 112, 125, 126, 134, 154
 LOVELL, 59, 141
 LOWELL, 17
- MacCullagh's formula, 97
 Major axis, 5, 7, 114
- MARKOV, 47
 Masses of comets, 46, 47
 MAUBANT, 24
 MAURY, 44
 MECHAIN, 26
 Mercury, determination of mass of, 14
 MESSIER, 31, 33
 Meteors, 57, 58, 60
 streams, 58, 118, 133, 141, 145
 showers, 59, 118, 141, 148
 Meteorites, 59, 60, 148
 Mount Wilson, 156
- Neptune, discovery of, 42, 44
 NEUJMIN, 26
 Neutral point, 69, 150
 NEWTON, H. A., 16, 108, 154
 NEWTON, Sir I., 4, 42
 NICHOLSON, J. W., 121
 Node, 7, 116, 117
 Nucleus, or nuclei, of comets, 33, 34,
 35, 38, 53, 57, 113, 161
 sizes of, 45, 46
- ÖHMAN, 55
 OLBERS, 4
 OLIVIER, 45, 60
 OLMSTED, 58
 Orbital elements, 8, 37, 115
 Orbits, 3, 4, 8, 12, 14, 102, 157
 Orionids, 58
 ORLOFF, 54
 Osculating orbit, 6, 9, 155
- PARSON, A. L., 147
 PELTIER, 26, 27
 Perihelion, 8, 10, 22, 27, 37, 42, 109,
 117
 relation of tail formation and size,
 35, 40, 41, 125
 relation of brightness, 52
 Period, 8, 11, 12, 103
 effect of differences of, 132
 PERRINE, 25, 26
 Perseids, 58
 Phase effect, 38, 54
 PICKERING, E. C., 32
 PICKERING, W. H., 15
 PINGRE, 12
 Planetary perturbations, 87, 100
 PLUMMER, 60, 143

GENERAL INDEX

- Poisson distribution, 120
 Polarization, 55, 64
 PONS, 23, 26
 Poynting-Robertson effect, 141, 145
 PROCTOR, M., 26
 PROCTOR, R. A., 60, 152, 153, 154, 156
 PROUDMAN, J., 121
 PTOLEMY, 2
- Radiation pressure, 4, 36, 50, 64, 121, 143
 Reflexion of light by comets, 38, 53, 54, 55, 129
 REID, 60
 RICHTER, 46
 ROBERTSON, 142, 143
 ROCHE, 4
 Roche limit 155, 156
 RUSSELL, H. N., 17, 60, 61, 64, 103, 104, 106, 108, 121, 145, 159, 160
- SCHIAPARELLI, 58
 SCHROTER, 41
 SCHWARZSCHILD, K., 50, 121
 SECCHI, 55
 SENECA, 2
 Shells, 34
 Short-period comets, 16, 107, 108, 122, 125, 134, 141, 154
 Siberian meteorite, 59
 SILBERNAGEL, 32
 Sizes of comets, 31, 40, 41, 42
- Sizes of Comets, changes of, 41, 125
 SLIPHER, 46, 62
 Spectra of comets, 53, 54
 SPITALER, 25
 Stellar perturbations, 108
 Streamers, 38
 STRÖMGREN, E., 10, 104
 Structure of comets, 60
 Sun-grazing comets, 18, 31, 145
 SWIFT, 26
 SWINGS, 55
- Tails of comets, 1, 31, 35, 36, 39, 111, 117, 121, 122, 125, 162
 light from, 53, 55
 Taurids, 58
 TEVZADZE, 26
 Trans-Neptunian planets, 17
 Transparency of comets, 32, 47, 48, 49
 TYCHO BRAHE, 3, 4
- VAN BIESBROECK, 53, 105
 VAN GENT, 26
 Vernal equinox, 7, 8
 VSECHSVIATSKY, 52
- WHIPPLE, 26
 WOLF, 56
 WURM, 60, 162
 YOUNG, 44, 59

COMET INDEX

- | | |
|---|---|
| Biela, 32, 41, 42, 43, 44, 45, 58 | 371 B.C., 44 |
| Borelly (1903 IV), 36 | 1577, 3, 52 |
| Brooks (1886), 46 | 1652, 42 |
| (1889 V), 13, 44, 45 | 1668, 18 |
| (1893), 36 | 1672, 20 |
| (1904), 1 | 1677, 20 |
| (1911c), 32 | 1680, 12, 23 |
| 2 (1946e), 24 | 1681, 3 |
| Brorsen (1846), 17, 24, 43 | 1682, 54 |
| Chesaux (1744), 36, 52, 54 | 1683, 20 |
| Coggia (1874 III), 11, 34, 55, 128 | 1702, 19 |
| Denning (1890 VI), 32 | 1729, 52 |
| Donati, 11, 23, 32, 34, 128, | 1742, 19 |
| Encke, 14, 17, 22, 23, 26, 27, 40, 52, | 1769, 12 |
| 54, 58, 112, 117, 118, 119, 122, | 1799 I, 40 |
| 126, 130, 131, 133, 137, 138, 142, | 1807, 32 |
| 143, 145 | 1811 I, 52, 118 |
| Enser (1906), 30, 43 | 1812, 19 |
| Finlay (1893 III), 35 | 1823, 33 |
| Grigg (1901), 1 | 1825, 36 |
| Halley, 12, 16, 22, 26, 32, 33, 35, 36, | 1843 I, 18, 22, 31, 35 |
| 38, 39, 40, 41, 44, 45, 50, 52, 54, | 1847 I, 118 |
| 56, 58, 59, 112, 117, 118, 119, | 1847 V, 118 |
| 121, 122, 125, 130, 131, 133, 138 | 1849 II, 118 |
| Holmes (1892 III), 17, 30, 31, 33, 40, | 1852, II, 11 |
| 118, 119, 125 | 1853 III, 105 |
| Kopff (1906 IV), 44 | 1860 III, 20, 44 |
| (1939e), 27 | 1861 II, 33, 34, 50, 51, 55 |
| Lexell (1770), 13, 28, 31, 33, 46 | 1862 III, 58 |
| Mellish (1915a), 44 | 1863 I, 20 |
| Morehouse (1908 III), 34, 36, 128 | 1863 VI, 20, 105 |
| Nagato (1931 III), 53 | 1864, I, 55 |
| Oterma (1942 VII), 16, 107, 124, 131, | 1880 I, 18, 19, 31 |
| 133, 162 | 1882 II, 105 |
| Perrine, 24, 43 | 1882 III, 18, 19, 32, 41, 44, 45, 51, 52, |
| Pons-Brooks, 26 | 149 |
| Pons-Winnecke, 26, 45, 60, 155 | 1884 I, 19 |
| Schwassmann-Wachmann (1925 II), | 1884 III, 19 |
| 10, 16, 26, 107, 124, 125, 131, 162 | 1886 I, 105 |
| Stearn (1927 IV), 1, 51 | 1886 II, 105 |
| Swift (1899 I), 44 | 1886 III, 11 |
| Taylor (1915e), 44 | 1886 IX, 105 |
| Tempel (1866 I), 24, 25, 43, 55, 58 | 1887 I, 18, 19, 22, 31 |
| Tuttle (1871 III), 16 | 1889 I, 105 |
| Westphal (1913), 43 | 1890 II, 105 |
| Wolf (1933e), 13, 51 | 1892 V, 19 |
| Zona (1890 IV), 25 | 1895 II, 13 |

COMET INDEX

1897 I, 105	1919b, 36
1898 VIII, 105	1922 II, 105
1902b, 32	1925 I, 105
1902 III, 105	1925 VII, 105
1904 I, 105, 106	1927i, 46
1905 VI, 105	1932a, 43
1907 I, 105, 106	1932 II, 43
1907 II, 19	1932 VI, 105
1908d, 24	1932 VII, 43
1908 III, 105	1936 I, 1, 105
1910 I, 105	1939c, 46
1913a, 32	1939 VII, 24
1914 V, 105	1949g, 23